

# Osegonte Hopo

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## Summary

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Proficient in data analysis and AI-driven workflows with a strong focus on automating processes using advanced language models. Passionate about business intelligence, data visualization, and generating strategic insights for decision-making. Committed to continuous learning and impactful project development.

## Education

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<b>Fachhochschule Südwestfalen</b>	Expected 2028
Business Administration with Informatics	
<b>Lagos State University</b>	2023 – 2024
Computer Science	
<b>Vetland Grammar School</b>	2016 – 2022
WASSCE	

## Experience

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<b>Tutorial Assistant (English &amp; Mathematics)</b>	Dec 2021 – Jan 2023
Dr Maths Academy	
◦ Conducted exam supervision and assessments	
◦ Graded assignments and mock exams	
◦ Provided instruction in Mathematics and English	

## Projects

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- **Film Fluent** – Subtitle parser for language learning using Python, spaCy, and FastAPI
- **Iris Classifier** – ML pipeline for flower classification using ensemble models and PCA
- **Sport Analytics App (Football)** – Data-driven app with scraping, PostgreSQL, and ML
- **Sentiment Analysis Dashboard** – Tariff news sentiment vs. market data with Dash & NLP

## Professional Skills

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**Programming & Development:** Python (OOP, CLI), SQL, API integration, ETL workflows  
**Data Science & ML:** KNN, SVM, Decision Trees, Random Forest, PCA, Prompt Engineering  
**Data Engineering:** Web scraping, PDF parsing, multi-source integration  
**Visualization:** Dash, Streamlit, Power BI, Plotly, Matplotlib, Seaborn  
**Practices:** Modular architecture, Git, error handling, environment management  
**Domain Knowledge:** Sports analytics, market sentiment analysis, educational NLP tools